

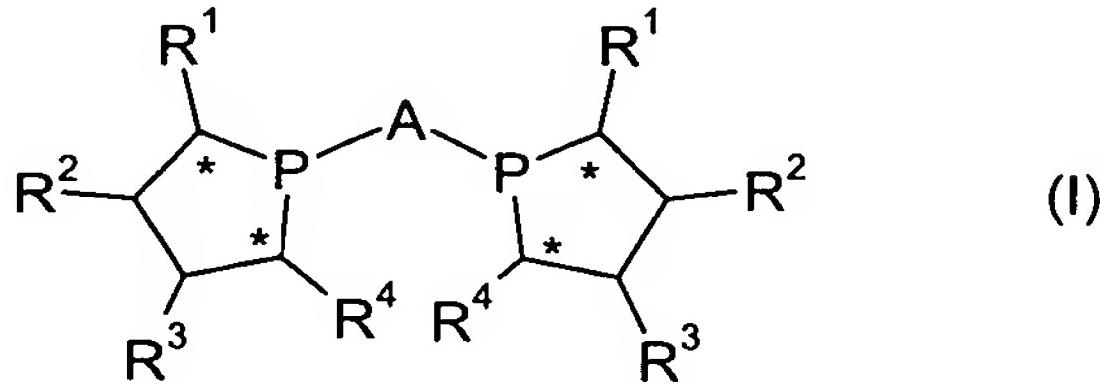
### **Amendments to the Claims**

Please cancel claims 1-13 without prejudice. Please add new claims 14-33 as shown below in the list of claims.

### **List of Claims**

1-13. Cancelled.

14. (New) A process for preparing enantiomerically enriched compounds of the general formula (I),



where

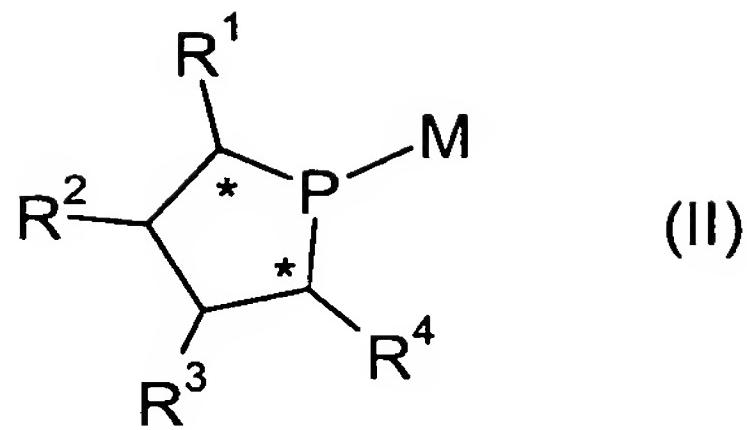
\* indicates a stereogenic centre,

R<sup>1</sup> and R<sup>4</sup> are each, independently of one another (C<sub>1</sub>-C<sub>8</sub>)-alkyl, HO-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, (C<sub>1</sub>-C<sub>8</sub>)-alkoxy, (C<sub>2</sub>-C<sub>8</sub>)-alkoxyalkyl, (C<sub>6</sub>-C<sub>18</sub>)-aryl, (C<sub>7</sub>-C<sub>19</sub>)-aralkyl, (C<sub>1</sub>-C<sub>8</sub>)-alkyl-(C<sub>6</sub>-C<sub>18</sub>)-aryl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>8</sub>)-alkyl-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl-(C<sub>1</sub>-C<sub>8</sub>)-alkyl,

R<sup>2</sup> and R<sup>3</sup> are each, independently of one another, H, (C<sub>1</sub>-C<sub>8</sub>)-alkyl, HO-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, (C<sub>1</sub>-C<sub>8</sub>)-alkoxy, (C<sub>2</sub>-C<sub>8</sub>)-alkoxyalkyl, (C<sub>6</sub>-C<sub>18</sub>)-aryl, (C<sub>7</sub>-C<sub>19</sub>)-aralkyl, (C<sub>1</sub>-C<sub>8</sub>)-alkyl-(C<sub>6</sub>-C<sub>18</sub>)-aryl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>8</sub>)-alkyl-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl-(C<sub>1</sub>-C<sub>8</sub>)-alkyl,

A is a C<sub>2</sub> bridge in which two carbon atoms have sp<sup>2</sup> hybridization,

by reacting compounds of the general formula (II),



where

$R^1$  to  $R^4$  can be as defined above,

$M$  is an alkali metal or a trimethylsilyl group,

with compounds of the general formula (III),

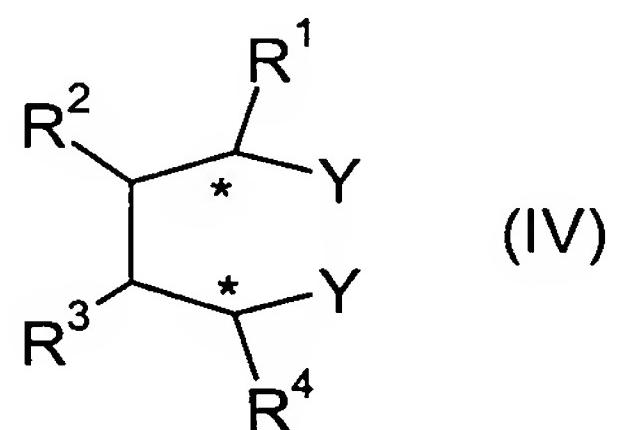


where

$A$  is as defined above and

the radicals  $X$  are each, independently of one another, a nucleofugic leaving group,

and wherein said compounds of the general formula (II) are prepared by reacting compounds of the general formula (IV),



where

$R^1$  to  $R^4$  are as defined above and

the radicals  $Y$  are each, independently of one another, a nucleofugic leaving group,

with compounds of the general formula (V),



where

M is an alkali metal and Aryl is a (C<sub>6</sub>-C<sub>18</sub>)-aryl or ((C<sub>1</sub>-C<sub>8</sub>)-alkyl)<sub>1-3</sub>-(C<sub>6</sub>-C<sub>18</sub>)-aryl radical,

and subsequently with an alkali metal, and, if appropriate, additionally with trimethylsilyl chloride,

with the compounds of the formula (V) being obtained by reaction of compounds of the general formula (VI),

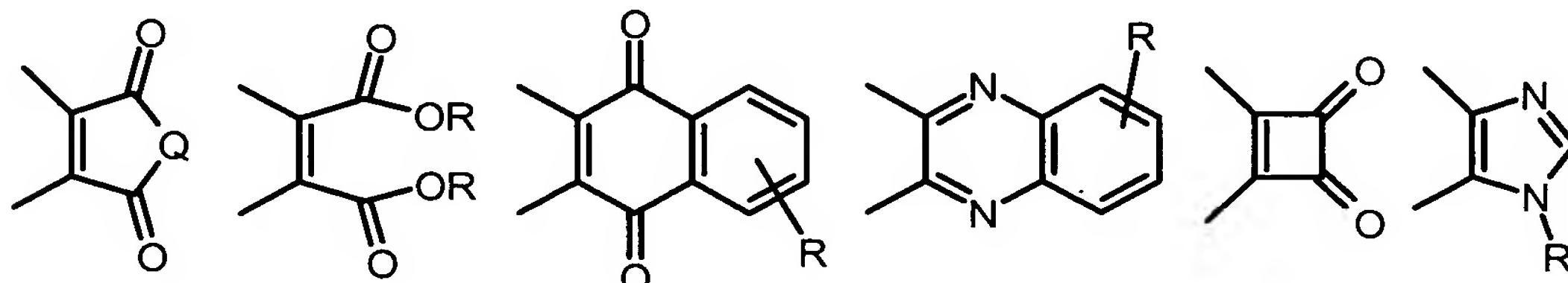


where

Aryl is as defined above,

with an alkali metal.

15. (New) The process of claim 14, wherein A is a radical selected from the group consisting of:

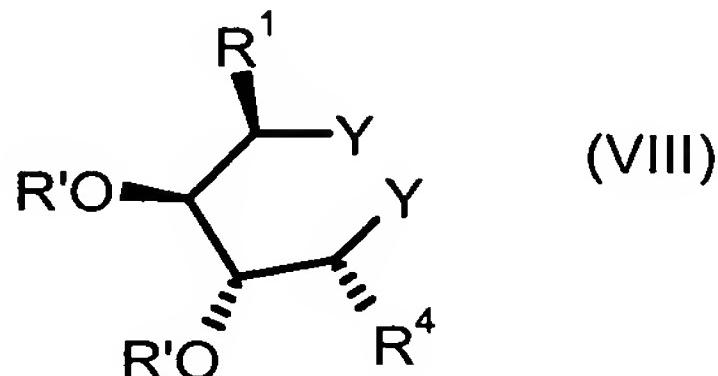
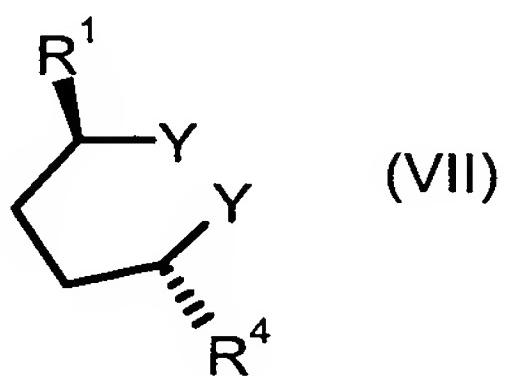


where

R is H, (C<sub>1</sub>-C<sub>8</sub>)-alkyl, (C<sub>6</sub>-C<sub>18</sub>)-aryl, (C<sub>7</sub>-C<sub>19</sub>)-aralkyl, (C<sub>1</sub>-C<sub>8</sub>)-alkyl-(C<sub>6</sub>-C<sub>18</sub>)-aryl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>8</sub>)-alkyl-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl-(C<sub>1</sub>-C<sub>8</sub>)-alkyl,

and Q is O, NH, NR.

16. (New) The process of claim 15, wherein Q is oxygen or NR, where R can be (C<sub>1</sub>-C<sub>8</sub>)-alkyl, (C<sub>6</sub>-C<sub>18</sub>)-aryl, or benzyl.
17. (New) The process of claim 16, wherein Q is oxygen or NR, where R can be methyl, ethyl, propyl, isopropyl, tert-butyl, phenyl, naphthyl, fluorenyl, or benzyl.
18. (New) The process of claim 14, wherein for said compounds of formula IV, R<sup>2</sup> and R<sup>3</sup> are each H and R<sup>1</sup> and R<sup>4</sup> are each, independently of one another, (C<sub>1</sub>-C<sub>8</sub>)-alkyl, HO-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, or (C<sub>2</sub>-C<sub>8</sub>)-alkoxyalkyl.
19. (New) The process of claim 14, wherein for said compounds of formula (III) or (IV), X or Y is selected from the group consisting of halogen, OTos, OMes, triflate, and nosylate.
20. (New) The process of claim 14, wherein said compounds of formula IV have a structure according to formula (VII) or (VIII),



where

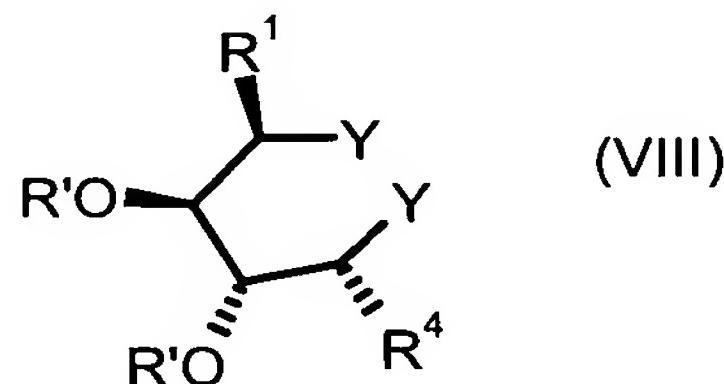
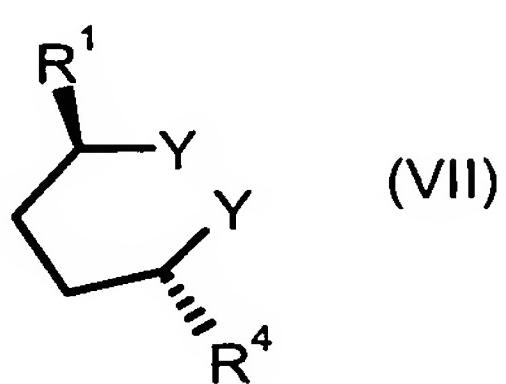
the radicals Y are independently selected from the group consisting of halogen, OTos, OMes, triflate, nosylate,

R<sup>1</sup> and R<sup>4</sup> are each, independently of one another, (C<sub>1</sub>-C<sub>8</sub>)-alkyl, HO-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, (C<sub>2</sub>-C<sub>8</sub>)-alkoxyalkyl, (C<sub>6</sub>-C<sub>18</sub>)-aryl, (C<sub>7</sub>-C<sub>19</sub>)-aralkyl, (C<sub>1</sub>-C<sub>8</sub>)-alkyl-(C<sub>6</sub>-C<sub>18</sub>)-aryl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>8</sub>)-alkyl-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl-(C<sub>1</sub>-C<sub>8</sub>)-alkyl,

and the radicals R' are each, independently of one another, H, (C<sub>1</sub>-C<sub>8</sub>)-alkyl, HO-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, (C<sub>6</sub>-C<sub>18</sub>)-aryl, (C<sub>7</sub>-C<sub>19</sub>)-aralkyl, (C<sub>1</sub>-C<sub>8</sub>)-alkyl-(C<sub>6</sub>-C<sub>18</sub>)-aryl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>8</sub>)-alkyl-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl-(C<sub>1</sub>-C<sub>8</sub>)-alkyl.

21. (New) The process of claim 20, wherein R' is H, methyl, ethyl, propyl, isopropyl, tert-butyl, or phenyl, and R<sup>1</sup> and R<sup>4</sup> are each methyl, ethyl, propyl, isopropyl, tert-butyl, phenyl.
22. (New) The process of the claim 14, wherein M is the alkali metal lithium.
23. (New) The process of claim 14, wherein the reaction of said compounds of formula (VI) with alkali metals is carried out in an aprotic polar solvent.
24. (New) The process of claim 14, wherein the reaction of said compounds of formula (IV) with said compounds of formula (V) is carried out at a temperature of from -25°C to +40°C.
25. (New) The process of claim 14, wherein said compounds of formula (VI) are reacted with an alkali metal at a temperature of -10°C to +10°C.
26. (New) The process of claim 14, wherein the reaction is carried out in a one-pot variant.
27. (New) The process of claim 15, wherein for said compounds of formula IV, R<sup>2</sup> and R<sup>3</sup> are each H and R<sup>1</sup> and R<sup>4</sup> are each, independently of one another, (C<sub>1</sub>-C<sub>8</sub>)-alkyl, HO-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, or (C<sub>2</sub>-C<sub>8</sub>)-alkoxyalkyl.
28. (New) The process of claim 27, wherein for said compounds of formula (III) and (IV), X and Y are selected from the group consisting of halogen, OTos, OMes, triflate, and nosylate.

29. (New) The process of claim 15, wherein said compounds of formula IV have a structure according to formula (VII) or (VIII),



where

the radicals Y are independently selected from the group consisting of halogen, OTos, OMes, triflate, nosylate,

$R^1$  and  $R^4$  are each, independently of one another,  $(C_1-C_8)$ -alkyl, HO- $(C_1-C_8)$ -alkyl,  $(C_2-C_8)$ -alkoxyalkyl,  $(C_6-C_{18})$ -aryl,  $(C_7-C_{19})$ -aralkyl,  $(C_1-C_8)$ -alkyl- $(C_6-C_{18})$ -aryl,  $(C_3-C_8)$ -cycloalkyl,  $(C_1-C_8)$ -alkyl- $(C_3-C_8)$ -cycloalkyl,  $(C_3-C_8)$ -cycloalkyl- $(C_1-C_8)$ -alkyl,

and the radicals  $R'$  are each, independently of one another, H,  $(C_1-C_8)$ -alkyl, HO- $(C_1-C_8)$ -alkyl,  $(C_6-C_{18})$ -aryl,  $(C_7-C_{19})$ -aralkyl,  $(C_1-C_8)$ -alkyl- $(C_6-C_{18})$ -aryl,  $(C_3-C_8)$ -cycloalkyl,  $(C_1-C_8)$ -alkyl- $(C_3-C_8)$ -cycloalkyl,  $(C_3-C_8)$ -cycloalkyl- $(C_1-C_8)$ -alkyl.

30. (New) The process of claim 29, wherein  $R'$  is H, methyl, ethyl, propyl, isopropyl, tert-butyl, phenyl, and  
 $R^1$  and  $R^4$  are each methyl, ethyl, propyl, isopropyl, tert-butyl, phenyl.
31. (New) The process of the claim 30, wherein M is the alkali metal lithium.
32. (New) The process of claim 31, wherein the reaction of said compounds of formula (VI) with alkali metals is carried out in an aprotic polar solvent.

33. (New) The process of claim 32, wherein the reaction of said compounds of formula (IV) with said compounds of formula (V) is carried out at a temperature of from -25°C to +40°C.